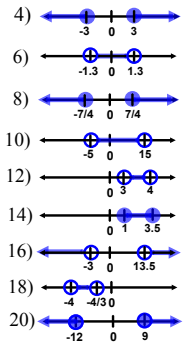


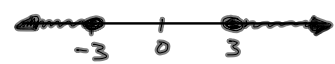
Algebra I
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2) one is less th"and",
one is great"or"

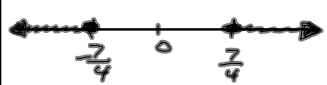


- 22) less th"and"
great"or"
- 24) Get rid of the absolute value with ±, need to switch the sign with the -, use and to graph them.

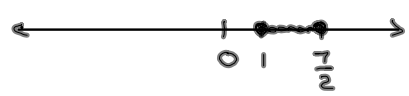
4) $|y| < 3$ great "or!"
 $y > +3$ or $y < -3$



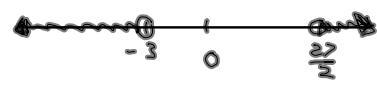
8) $|j| < 1\frac{3}{4}$
 $|j| < \frac{7}{4}$
 $j > \frac{7}{4}$ or $j < -\frac{7}{4}$



14) $|9 - 4n| \leq 5$
 $9 - 4n \leq 5$ and $9 - 4n \geq -5$
 $9 - 9 - 4n \leq 5 - 9$ $9 - 9 - 4n \geq -9 - 5$
 $-4n \leq -4$ $-4n \geq -14$
 $\frac{-4n}{-4} \leq \frac{-4}{-4}$ $\frac{-4n}{-4} \geq \frac{-14}{-4}$
 $n \geq 1$ $n \leq \frac{7}{2}$



16) $|\frac{4}{3}s - 7| - 8 > 3 + 8$
 $|\frac{4}{3}s - 7| > 11$
 $\frac{4}{3}s - 7 > 11 + 7$ or $\frac{4}{3}s - 7 < -11 + 7$
 $(\frac{4}{3}s - 7 > 18) \cdot \frac{3}{4}$ $(\frac{4}{3}s - 7 < -4) \cdot \frac{3}{4}$
 $s > \frac{27}{2}$ $s < -3$



18) $2|3w + 8| - 13 < -5 + 13$

$\frac{2|3w + 8|}{2} < \frac{8}{2}$

$|3w + 8| < 4$

$3w + 8 < +4$ and $3w + 8 > -4 - 8$

$3w + 8 - 8 < 4 - 8$

$\frac{3w}{3} < \frac{-4}{3}$

$w < -\frac{4}{3}$

$\frac{3w}{3} > \frac{-12}{3}$

$w > -4$

